



**PATENT**  
Attorney Docket No.1173-1051PUS1  
DHHS Ref. No. E-089-1997/5-US-01

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:	Brian R. MURPHY et al.	Conf.: 9312
Appl. No.:	09/458,813	Group: 1648
Filed:	December 10, 1999	Examiner: CHEN, S.B.
For:	USE OF RECOMBINANT LIVE-ATTENUATED PARAINFLUENZA VIRUS (PIV) AS A VECTOR TO PROTECT AGAINST DISEASE CAUSED BY PIV AND RESPIRATORY SYNCYTIAL VIRUS (RSV)	

**SUBSTITUTE POWER OF ATTORNEY UNDER 37 CFR 3.71**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The Government of the United States of America, represented by the Secretary, Department of Health and Human Services ("Assignee") is the assignee of the entire right, title, and interest in the above-identified U.S. patent application ("the application") as evidenced by an assignment recorded in the U.S. Patent and Trademark Office on May 22, 2000, at Reel 10845, Frame No. 0249. In accordance with 37 CFR 3.37(b), the undersigned certifies that the undersigned is authorized to act on behalf of the assignee, has reviewed all of the evidentiary documents accompanying or referred to in this Substitute Power of Attorney and, to the best of the undersigned's knowledge and belief, that title is in the Assignee.

The Assignee hereby revokes all previous powers of attorney and appoints the following as its attorneys to prosecute and transact all business in the U.S. Patent and Trademark Office connected with the application, including but not limited to the following: to receive all documents issued by the U.S. Patent and Trademark Office based thereon; to file continuation, continuation-in-part and divisional applications based thereon; to pay any and all fees, including maintenance fees for any resulting patent; and to file for reissues and extensions and to request reexamination of any resulting patent. All such powers are to be exercised separately or collectively.

In re Appln. of Brian R. Murphy et al.  
Application No. 09/458,813

Please recognize the National Institutes of Health, Office of Technology Transfer, as  
Principal Attorneys in this case: Customer Number 05318.



Please recognize Birch, Stewart, Kolasch & Birch, LLP. as Associate Attorneys in this case:  
Customer Number 33,883.

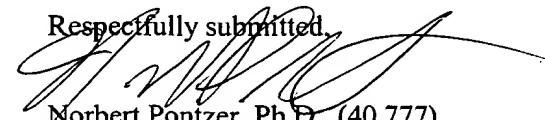


The assignee requests that correspondence concerning this application be directed to:

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The assignee also requests that all telephone calls be directed to Dr. Mark Nuell at  
(703) 205-8000.

Respectfully submitted,



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